

# Releases into the Loxahatchee National Wildlife Refuge at G94C

March 2001

The gates at structure G94C along the eastern boundary of the Loxahatchee National Wildlife Refuge (LNWR) with the Lake Worth Drainage District (LWDD) were opened on March 19 through March 25 and again on March 29. A grab sample of water flowing from the LWDD to the LNWR was taken on the day the gates were first opened, March 19, to determine the quality of the water entering LNWR. The table below documents the duration of gate opening, the instantaneous and average daily flow, flow volume, and the total phosphorous concentration and calculated phosphorous load on the day of water quality sampling.

## G94\_C Flow & TP Load Calculations

Date	Duration opened (hrs)	Q (inst.) (cfs)	Daily Discharge (cfs)	Daily Discharge (acre-ft)	TP Conc (µg/L)	TP Load (kg)
18-Mar	0	0	<b>0</b>	<b>0</b>	no sample	----
19-Mar	13	485	<b>260</b>	<b>516</b>	898	570
20-Mar	15.25	313	<b>200</b>	<b>397</b>	no sample	----
21-Mar	12	263	<b>130</b>	<b>258</b>	no sample	----
22-Mar	24	242	<b>240</b>	<b>476</b>	no sample	----
23-Mar	24	213	<b>210</b>	<b>417</b>	no sample	----
24-Mar	24	210	<b>210</b>	<b>417</b>	no sample	----
25-Mar	8	205	<b>70</b>	<b>139</b>	no sample	----
26-Mar	0	0	<b>0</b>	<b>0</b>	no sample	----
27-Mar	0	0	<b>0</b>	<b>0</b>	no sample	----
28-Mar	0	0	<b>0</b>	<b>0</b>	no sample	----
29-Mar	4	256	<b>40</b>	<b>79</b>	no sample	----

Notes: 1) Daily discharge values are estimated to be within "+ or -" 10% accuracy  
2) TP grab value collected 3/19/01 @15:30